

IN THE CLAIMS:

Please cancel claims 1-17 and claims 21 – 31, without prejudice.

Claims 1 – 17 (Cancelled)

- 1 18. (Previously Presented) A method of analyzing the header of one protocol in the
2 context of the header of at least one other protocol, the method comprising:
3 identifying the prefix portion of the header of the one protocol that is common
4 with the corresponding prefix portion of the at least one other protocol; and
5 identifying a next portion of the header of the one protocol that differs from the
6 corresponding next portion of the header of the at least one other protocol; and
7 computing at least one constraint that is to be applied to the processes which can
8 generate packets in accordance with the at least one other protocol without requiring ad-
9 ditional memory storage resources.
- 1 19. (Previously Presented) The method of claim 18, wherein the computing of the at
2 least one constraint is done so that the packet generated in accordance with the at least
3 one other protocol with the further addition of the at least one constraint will satisfy the
4 requirements of the one protocol.
- 1 20. (Previously Presented) The method of claim 19, wherein the computing of the at
2 least one constraint is done so that the packet generated in accordance with the at least
3 one other protocol with the further addition of the at least one constraint will substantially
4 satisfy the requirements of the one protocol.

1 Claims 21 – 31 (Cancelled)

1 32. (New) A system for analyzing the header of one protocol in the context of the header
2 of at least one other protocol, the method comprising:

3 means for identifying a prefix portion of the header of the one protocol that is
4 common with a corresponding prefix portion of the at least one other protocol; and

5 means for identifying a next portion of the header of the one protocol that differs
6 from a corresponding next portion of the header of the at least one other protocol; and

7 means for computing at least one constraint that is to be applied to processes hav-
8 ing means for generating packets in accordance with the at least one other protocol with-
9 out requiring additional memory storage resources.

1 33. (New) The system for analyzing the header of one protocol in the context of the
2 header of at least one other protocol as defined in claim 32 wherein said means for com-
3 puting at least one constraint includes means for generating packets in accordance with
4 the at least one other protocol with the further addition that the at least one constraint will
5 satisfy the requirements of the one protocol.

1 34. (New) The system for analyzing the header of one protocol in the context of the
2 header of at least on other protocol as defined in claim 32 wherein said means for com-
3 puting at least one constraint includes means for generating packets in accordance with
4 the at least one other protocol with the further addition of the at least one constraint will
5 substantially satisfy the requirements of the one protocol.